| Index | of | Claims |
|-------|----|--------|
|       |    |        |



Application No.

10/054,676

Examiner
FRANKIE L. STINSON

Applicant(s)

CERRUTI ET AL.

Art Unit

1746

√ Rejected
= Allowed

\_\_ (Through numeral) Cancelled

Restricted

N Non-Elected
I Interference

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O Objected

|          |          | L  | 1.       |  |                |                |              |          | L  |              |          |
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|          |          | η- |          |  |                |                |              |          |  |              | _        |
|          | laim     | +- |          |  |                | Da             | ate          | _        |  | _            | 4        |
|          | <u>a</u> | 1) |          | ı  |                |                |              |          |  | İ            |          |
| Final    | <u>:</u> | kυ |          |  |                | ļ              | -            |          |  |              | J        |
| Щ        | Original | 20 | ı        | 1  |                |                |              |          |  | 1            | I        |
|          |          |    | +        | +  | $\perp$        |                | - -          | +        | - -  | - -          | 4        |
| 2        | 1        | =  | +-       | +  | -              | ╀              |              | -        | 4  | +            | 4        |
|          | 3        | ╀╸ | ╁        | +  | -              | +              | +-           | +        | +  |              | 4        |
| 3        | 4        | +- | ╁        | +  | +              | +              |              | ╀        | -  | +            | $\dashv$ |
| 4        | 5        | ╀  | ╁        | ╁  | +              | +              | +            | +        | +  |              | 4        |
| 5        | 6        | ╁┋ | +        | <del>-</del>                                     | ÷              | ╁              | ╁            | +-       | +  | +            | 4        |
| 6        | 7        | ╁  | ╁        | ╁  | +-             |                | +            | +-       | +  | +            | $\dashv$ |
| 7        | 8        | ╁  | †-       | +  | +              | ╈              | ╁            | +        | ╁  | +            | +        |
| 8        | 9        | += | t        | +  | - -            | +              |              | +        | ╁  | +-           | ┨        |
| 9        | 10       | ╪  | ╁        |  | +              | +-             | +            | +        | +-   | +            | 1        |
| 10       | 11       | 1= | T        | $\top$   | 1              | +              | $\top$       | 十        | <del> </del>                                     | +            | 1        |
|          | 12       |    | 1        | 1.   | T              | 十              | $\top$       | $\top$   |  | Ť            | 1        |
| 11       | 13       | =  |          | $\top$   | 1              | T              | 1-           | T        | $\top$   | $\top$       | 1        |
| 16       | 14       | =  | T        | 1  | 1              | ╈              | T            | <b>†</b> | $\top$   | T            | 1        |
| 17       | 15       | =  |          |  | T              | 1              | Ť            |          | Т  | †            | 1        |
| 18       | 16       | =  |          |  | T              | T              | T            | 1        |  |              | 1        |
| 13       | 17       | =  | Т        | T  | T              | 1              | 1            | T        |  | 1            | 1        |
| 12       | 18       | =  |          |  | Т              |                |              |          |  | $\top$       | 7        |
| 14       | 19       | =  | L        |  |                |                |              |          |  |              | ]        |
| 15       | 20       | =  |          |  | L              |                |              |          |  |              | ]        |
| 19       | 21       | =  | L        |  | $\perp$        | _              | 上            | _        |  |              | ]        |
| 20       | 22       | =  |          |  | 1_             |                |              |          | L  |              | ]        |
| 21       | 23       | =  | L.       | _  | ļ              |                | 1_           |          | L  |              |          |
| 22       | 24       | =  | _        | ↓_   | $\perp$        | ļ              | <u> </u>     | $\perp$  | <u> </u>   | <u> </u>     |          |
| 23       | 25       | =  | _        | ╄  | 1              | 1_             | <u> </u>     | <u> </u> | _  | <u> </u>     |          |
| 24       | 26       | =  | <u> </u> | ļ  | $\perp$        | -              | Ļ            | _        | 4_   | <u> </u>     | 1        |
| 25       | 27       | =  | L        | -  | ╁-             | $\vdash$       | ╄            | <u> </u> |  | ļ            |          |
| 26       | 28       | ╘  | ┝        | 4  | ┼-             | ₩              | -            | ـ        |  | ∔            | ŀ        |
| 27       | 29       | ▙  | <u> </u> | +  | ╀              | <del> </del> - | ┼            | ├-       | $\vdash$   | <b>├</b>     | -        |
| 28<br>29 | 30       | =  | -        | ╁  | 1-             | ⊢              | ┼-           | ⊢        | ╄-   | <del> </del> | ł        |
| 30       | 31       | =  | ⊢        | ╁  | +-             | -              | -            | ├-       | ╁  | -            | -        |
| 31       | 33       | =  | H        | ╁  | +-             | $\vdash$       | <b>├</b>     | <u> </u> | -  | $\vdash$     | 1        |
| 32       | 34       | E  | -        | ┼  | ╁              | $\vdash$       | $\vdash$     |          | ├  | ┢            | ł        |
| 33       | 35       | =  | -        | $\vdash$   | $\vdash$       | 1-             | $\vdash$     | -        | $\vdash$   | ╁            | ł        |
| 34       | 36       | =  |          | 1  | ╁              | <del> </del>   | <del> </del> | <u> </u> | $\vdash$   | ├            |          |
| 35       | 37       | =  |          | $\vdash$   | T              |                | ┢╌           |          | <del> </del>                                     |              | i        |
| 36       | 38       | =  |          | <del>                                     </del> |                | H              |              | 一        | <del> </del>                                     | ⇈            | l        |
| 37       | 39       | =  |          | ┢  |                |                |              | 1-       | <del>                                     </del> | $\vdash$     |          |
| 38       | 40       | =  |          |  |                |                |              |          | t  |              | 1        |
| 39       | 41       | =  |          |  |                |                |              |          |  | <u> </u>     |          |
| 40       | 42       | =  |          |  |                | L              |              |          |  |              |          |
| 41       | 43       | =  |          | 匚  |                | L              |              |          |  |              |          |
| 42       | 44       | =  |          |  |                |                |              |          |  |              |          |
| 43       | 45       | =  | _        |  |                |                |              |          |  |              |          |
| 44       | 46       | =  |          |  | L              | <u> </u>       |              |          | <u> </u>   | $\bigsqcup$  |          |
| 45       | 47       | =  |          | <u> </u>   |                | L              |              |          |  |              |          |
| 46       | 48       | =  |          | <u> </u>   | <u> </u>       | _              |              |          | <u> </u>   |              |          |
| 47       | 49       | =  | _        | $\vdash$   | <del> </del> _ |                | <u> </u>     | L_       |  | Щ            |          |
| 48       | 50       | =  |          |  | <u> </u>       |                |              |          |  |              |          |

|          | CI          | aim                  | T        |          |          |             | Di       | ate          |                |  |    |
|----------|-------------|----------------------|----------|----------|----------|-------------|----------|--------------|----------------|--|----|
|          |             |                      | T        | П        |          |             | Ī        | T            |                | Т  | T  |
|          | ल           | a                    |          |          |          |             |          |              |                | 1  |    |
|          | Final       | Original             | Ì        |          |          |             | -        | 1            |                |  | 1  |
|          | _           | Ō                    |          | İ        | l        |             |          |              | ĺ              |  |    |
|          | 49          | 51                   | +-       |          | -        | +           |          | ╁            | +-             | +-   | +  |
|          | 50          | 52                   | ╂        |          | ⊢        | +           | +        |              | +              | +-   | ┿  |
|          | 51          | 53                   | =        | _        | ⊢        | ╁           | +        | +            | -              |  | +  |
|          | - 51        | 53                   | ᆣ        | -        | $\vdash$ | +-          | +        | - -          | +              | +-   | +  |
|          |             | 54<br>55             | -        | -        | ⊢        | ┼~          | +        | +-           | +              | -  |    |
|          |             | 56                   | $\vdash$ |          | ⊢        | +           | ╁        |              | +              |  | +- |
|          |             | 57                   | $\vdash$ |          | -        | +-          | ╀        | +            | +              | -  |    |
|          |             | 58                   | ├        |          | $\vdash$ | +           | - -      | +            | +              | +  | +  |
|          |             | 59                   | -        |          | -        | +           | ╫        | +            | +-             |  | ╂  |
|          |             | 60                   | -        |          | _        | ┿           | +-       | -            | +              | +  | -  |
|          |             | 61                   | H        |          | _        | ╁╌          | +        | +-           | -              | +-   | +- |
|          |             | 63                   | Н        |          |          | +-          | ╁        | +            | +              | +  | +- |
| 1        |             | 62                   | -        |          | _        | ┿           | +        | +            | +              | ┼  | ┼— |
| 1        |             | 63                   |          |          |          | +-          | +        |              | ╀              | +  | -  |
| H        |             | 64                   | -        | -        |          | ╁           | +-       | +            | +-             | ╄  | ┼  |
| 1        |             | 65<br>66             |          | -        |          | +           |          | +            |                | ╀  | ┼— |
| 1        |             | 67                   | $\vdash$ | $\dashv$ |          | +           | +        | +            | <del> </del>   | +-   | ╁  |
| ŀ        |             | 68                   |          | $\dashv$ |          | ╁           | ╂        | +            | ╀              | ┾  | ⊢  |
| ÷        |             | 69                   | $\vdash$ | $\dashv$ |          | ╁           | +        | +            | +-             | +  | +- |
| H        |             | 70                   | $\dashv$ | $\dashv$ |          | ╁╴          | ╁        | +            | +-             | +  | -  |
| ŀ        |             | 71                   | $\vdash$ | -        | -        | ╁╌          | ┿        | ╁            | +              | ╁  | -  |
| ŀ        |             | 72                   | $\dashv$ |          |          |             | +        | +-           | +-             | ╁  | ┼  |
| -        |             | 73                   | $\dashv$ | -        |          | <u> </u>    | +        |              | +              | ╁  | ├  |
|          |             | 74                   |          | 1        |          | ╁╌          | 1        | +-           | +              | ╁─   |    |
|          |             | 72<br>73<br>74<br>75 |          | -        | _        | $\vdash$    | +        | +            | +-             | $\vdash$   |    |
| -        |             | 76                   |          |          | _        | ✝           | ✝        | 1            | <del> </del> - | H  |    |
| Ī        |             | 76<br>77             |          | T        | _        | 1           | +        | $\top$       | 1              | <del>                                     </del> |    |
|          |             | 78                   |          |          |          |             | T        | $\top$       | 1              | İ  |    |
| ľ        |             | 79                   |          |          |          | <b>├</b> ~~ | T        | $\top$       |                |  | Г  |
| Γ        |             | 80                   | T        |          |          |             |          | 1            |                | $\vdash$   |    |
|          |             | 81                   |          |          |          |             |          | Т            |                |  |    |
|          |             | 82                   | П        |          |          |             |          | -            |                |  |    |
| L        |             | 83                   |          |          |          |             |          | Т            |                |  |    |
|          |             | 84                   |          |          |          |             |          |              |                |  |    |
| L        |             | 85                   |          |          |          |             |          |              | Γ              | Γ  |    |
| L        |             | 86                   | _        | $\perp$  |          |             |          |              |                |  |    |
| L        |             | 87                   | _        | $\perp$  |          |             | L        |              | <u> </u>       |  |    |
|          |             | 88                   |          | $\perp$  |          | _           | L        | _            |                |  |    |
| :: _     |             | 89                   | _        | _        |          |             |          |              |                |  |    |
|          |             | 90                   | _        | 4        |          | _           | _        | <u>L</u> .   |                |  |    |
| L        |             | 91                   |          | _        |          | L.          | _        | <u> </u>     |                | <u>_</u>   |    |
|          |             | 92                   | _        | -4       |          |             | L.       | _            | L_             |  |    |
| F        |             | 93                   | -+       |          |          |             | <u> </u> | <del> </del> | L.             | Ш  | Щ  |
| ŀ        |             | 94                   | $\dashv$ | 4        |          |             | <u> </u> | ļ            | <u> </u>       |  |    |
| -        | <u> </u>  . | 95                   | _        | +        | _        | _           | _        | $\vdash$     | <u> </u>       | Щ  |    |
| -        |             | 96                   |          |          | _        |             |          | <u> </u>     | _              | $\Box$   |    |
| $\vdash$ | $\dashv$    | 97                   |          | +        |          | _           | ļ.,      |              |                | L  | _  |
| $\vdash$ |             | 98<br>99             | -+       | +        | $\dashv$ |             |          | ├            |                |  |    |
|          |             | 100                  | +        | +        |          |             | <u> </u> |              |                | $\vdash$   |    |
| ::_      | <u> </u>    | 100                  | Щ.       | 丄        |          |             |          | <u> </u>     |                |  |    |

|              |                   | Щ.       |              |  |          |           |           |          |           |          |                 |
|--------------|-------------------|----------|--------------|--|----------|-----------|-----------|----------|-----------|----------|-----------------|
| С            | laim              | Date     |              |  |          |           |           |          |           |          |                 |
| Final        | -                 |          |              |  |          |           |           |          |           |          |                 |
| L            | 101               |          | Г            | T  | 1-       | Ť         |           | T        | $\dagger$ | +        | 1               |
|              | 102               |          |              |  | T        | T         |           | Г        | 1         | †        | 1-              |
| <u></u>      | 103               |          | L            | Ļ  | 1        | 1         |           |          |           |          |                 |
| -            | 104               | _        | L.           | $\perp$  | 1        | 4         |           | _        | 1_        | <u> </u> | _               |
| -            | 105               |          |              | ╄  | -        | 4         |           |          | ļ         | 1        | ↓_              |
| -            | 106<br>107        |          | ļ            | $\vdash$   | +        | +         |           |          | +         | +        |                 |
|              | 108               |          | <del> </del> | ╁  | +-       | +         | _         |          | ╁         | +        | -               |
| -            | 109               |          |              | T  | +-       | $\dagger$ |           |          | +         | ╁        | -               |
|              | 110               |          |              | T  | T        | 1         |           |          | T         | T        | †               |
|              | 111               |          |              |  |          |           |           |          |           |          |                 |
|              | 112               |          |              |  |          |           |           |          | L         |          |                 |
| ļ            | 113<br>114        | _        |              | Ļ.   | <u> </u> | 1         | _         |          | <u> </u>  | ┸        | _               |
|              | 114               |          |              | <u> </u>   | ╄        | 1         |           |          | L         | ┼-       | -               |
| -            | 115<br>116        | $\dashv$ | _            | -  | ╄        | +         |           |          | ┝         | ╂        | <b> </b>        |
| <del> </del> | 117               | -        |              |  | ╁╌       | +         | $\dashv$  |          | ⊢         | +-       | -               |
| <u> </u>     | 118               | $\dashv$ |              | ┢  | ╁        | +         | -         | _        | $\vdash$  | +        | ┼               |
|              | 119               | 寸        | _            | <del>                                     </del> | T        | $\dagger$ | 7         |          | H         | $\vdash$ | Н               |
|              | 120               |          |              |  | _        | T         | T         |          |           | 1        |                 |
|              | 121<br>122<br>123 |          |              |  |          | Ι         |           |          |           |          |                 |
|              | 122               |          |              | _  | L        | 1         | _         |          |           |          |                 |
|              | 123               | _        |              |  | Ļ.       | 1         | 4         |          |           | 1_       | Ш               |
| -            | 124<br>125        | $\dashv$ |              | _  | ├        | ╀         | -         |          | -         | _        |                 |
|              | 126               | $\dashv$ |              |  | ├-       | t         | +         |          |           | $\vdash$ | $\vdash$        |
|              | 127               | +        |              |  | -        | t         | 7         |          | -         | $\vdash$ | ╁               |
|              | 126<br>127<br>128 | 寸        |              | _  |          | t         | 7         |          |           | H        | H               |
|              | 129<br>130        |          |              |  |          | T         | 7         |          |           | -        | П               |
|              | 130               |          |              |  |          | L         |           |          |           |          |                 |
| ļ            | 131               | 4        |              |  |          | ļ.        | 4         |          |           | <u> </u> |                 |
|              | 132               | $\dashv$ |              |  | <u> </u> | ╀         | 4         | _        |           | ļ        | Щ               |
|              | 133<br>134        | +        |              |  | -        | ╀         | +         |          |           |          | H               |
|              | 135               | +        | -            | _  |          | ╁         | +         |          | -         | -        | $\vdash$        |
|              | 136               | $\dashv$ |              | _  |          | t         | +         |          |           | -        | $\vdash$        |
|              | 137               | $\top$   |              |  |          | T         | 7         |          |           |          |                 |
|              | 138               | $\perp$  |              |  |          | Γ         | 1         |          |           |          |                 |
|              | 139               | 4        |              |  |          | L         | 4         |          |           |          |                 |
|              | 140               | 4        | _            |  | _        | L         | 4         | _        |           |          | Щ               |
|              | 141               | -        | _            |  |          | L         | +         | _        |           |          | Н               |
|              | 142               | +        | $\dashv$     | -  |          | +         | +         | $\dashv$ | -         |          | $\vdash \vdash$ |
|              | 144               | +        |              | -  |          | $\vdash$  | +         | $\dashv$ | -         |          | $\dashv$        |
|              | 145               | +        | 寸            |  |          | H         | +         |          |           |          | $\vdash$        |
|              | 146               | +        | 7            | 7  |          | 1         | $\dagger$ | $\dashv$ |           |          | $\dashv$        |
|              | 147               |          |              |  | _        |           |           |          |           |          |                 |
|              | 148               | $\perp$  | $\Box$       |  |          |           | I         |          |           |          |                 |
|              | 149               | 4        | 4            | _  |          | L         | 1         |          |           |          | _               |
|              | 150               |          |              |  |          |           | $\perp$   | $\perp$  |           |          |                 |